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OM protein - protein search, using sw model

Run on: April 28, 2003, 13:52:01 ; Search time 25 Seconds  
(without alignments)  
2958.392 Million cell updates/sec

Title: US-09-497-822c-19

Perfect score: 4912

Sequence: 1 MEVQLGLGRVYPRPFTKTYR.....SVQVPKILSGVKPIYFHTQ 923

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 301932 seqs, 80129803 residues

Total number of hits satisfying chosen parameters: 301932

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

#### Database :

Published Applications\_AA:\*  
1: /cgn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB.pep:\*  
2: /cgn2\_6/ptodata/1/pubpaa/PCT\_NEW\_PUB.pep:\*  
3: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pep:\*  
4: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep:\*  
5: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep:\*  
6: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep:\*  
7: /cgn2\_6/ptodata/1/pubpaa/PCTUS\_PUBCOMB.pep:\*  
8: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep:\*  
9: /cgn2\_6/ptodata/1/pubpaa/US09\_NEW\_PUB.pep:\*  
10: /cgn2\_6/ptodata/1/pubpaa/US09\_PUBCOMB.pep:\*  
11: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB.pep:\*  
12: /cgn2\_6/ptodata/1/pubpaa/US10\_PUBCOMB.pep:\*  
13: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep:\*  
14: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	4319	87.9	907	9	US-10-008-739A-2
2	2029.5	41.3	388	9	US-09-997-267-2
3	1493.5	30.4	294	9	US-09-997-267-4
4	1243	25.3	246	9	US-09-885-827-1
5	788	16.0	314	9	US-09-887-280-4
6	728	14.8	240	10	US-09-905-176-13
7	666	13.6	215	10	US-09-905-176-11
8	636	12.9	284	9	US-09-853-450-20
9	502	10.2	595	10	US-10-052-092-31
10	481	9.8	595	10	US-09-853-033-2
11	478	9.7	595	9	US-10-096-710-2
12	478	9.7	595	9	US-10-081-563-2
13	478	9.7	595	9	US-10-052-092-9
14	478	9.7	595	9	US-10-052-092-13
15	478	9.7	595	9	US-10-052-092-14
16	478	9.7	595	10	US-09-933-267A-2
17	478	9.7	701	9	US-10-052-092-12
18	474.5	9.7	595	9	US-10-052-092-30
19	461.5	9.4	575	10	US-09-893-666A-2

20	437.5	8.9	530	9	US-10-198-785-2
21	407.5	8.3	472	10	US-09-965-703-61
22	398.5	8.1	466	9	US-09-909-556-2
23	398.5	8.1	456	10	US-09-909-556-2
24	344.5	7.0	597	10	US-09-853-386-93
25	343.5	7.0	423	10	US-09-919-497-86
26	342	7.0	598	10	US-09-853-386-91
27	342	7.0	598	10	US-09-853-386-98
28	339.5	6.9	601	10	US-09-853-386-92
29	339.5	6.9	601	10	US-09-853-386-94
30	338	6.9	467	10	US-09-985-703-63
31	337	6.9	1041	9	US-09-042-488B-9
32	336	6.8	626	10	US-09-853-386-65
33	336	6.8	626	10	US-09-853-386-96
34	334	6.8	626	10	US-09-853-386-64
35	330.5	6.7	627	10	US-09-853-386-67
36	330.5	6.7	627	12	US-10-005-169-2
37	330	6.7	628	10	US-09-853-386-66
38	330	6.7	628	10	US-09-853-386-68
39	330	6.7	628	10	US-09-853-386-73
40	330	6.7	628	12	US-10-005-169-4
41	325.5	6.6	625	10	US-09-853-386-63
42	321	6.5	643	10	US-09-853-386-70
43	317.5	6.5	328	10	US-09-965-703-31
44	317.5	6.5	328	10	US-09-965-703-36
45	316	6.4	577	10	US-09-853-386-42

#### ALIGNMENTS

##### RESULT 1

US-10-008-739A-2

; Sequence 2, Application US/10008739A

; Patent No. US20020161194A1

; GENERAL INFORMATION:

; APPLICANT: Pfizer Inc.

; APPLICANT: Castleberry, Tessa A.

; APPLICANT: Lu, Bihong

; APPLICANT: Owen, Thomas A.

; APPLICANT: Smock, Steven L.

; TITLE OF INVENTION: The Canine Androgen Receptor

; FILE REFERENCE: PC10893AGPR

; CURRENT APPLICATION NUMBER: US/10/008,739A

; CURRENT FILING DATE: 2002-04-15

; NUMBER OF SEQ ID NOS: 2

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 2

; LENGTH: 907

; TYPE: PRT

; ORGANISM: Canine

US-10-008-739A-2

Query Match 87.9%; Score 4319; DB 9; Length 907;  
Best Local Similarity 87.3%; Pred. No. 8.3e-236;  
Matches 822; Conservative 20; Mismatches 46; Indels 54; Gaps 5;

QY 1 MEVQLGLGRVYPRPFTKTYRGAQFONLFQSVREVTONQPRHPEAASAAAPPGASLLLLQQQ 60

Db 1 MEVQLGLGRVYPRPFTKTYRGAQFONLFQSVREVTONQPRHPEAASAAAPPGASLLLLQQQ 60

QY 61 QQQ 54

Db 55 -----QQ 102

QY 120 QPQSALECHPERGCVPEPPEGAARAAKGLPQALPAPDEDDSAAPSTLLGLTFFGLSSC 179

Db 103 QQRASAKGHFESACVPEPVTSTATGKLQQQQPPAPDEDDSAAPSTLLGLTFFGLSSC 162

QY 180 SADLKDILSEASTMQLL-----QQQQQQEAVSESSSSSGRAEAGAPT 221

Db 163 STDLDKILSEAGTMQLLQQQRQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQ 222

QY 222 SSKDNYLGSTSTSDNAKELCAVSVSMGLGVEALEHLSPEQRLGDCMAYPLICVPPAV 281  
Db 223 SSKDSYLGSSSTISDAKELCAVSVSMGLGVEALEHLSPEQRLGDCMAYPLICVPPAV 282  
QY 282 RPTPCAPLAECGSLDDSGAGSTEDTAESYSPFKGGYTKGLESLGCGSAAAGSGSTL 341  
Db 283 R-PCAPLAECGSLDDSGAGTETEAESYSPFKAGYAKGLDGLGCGSSSEAGSGSTL 340  
QY 342 ELPSLTLXKSGALDEAAAYQSRDYNFPLALAGPPPPPPPPHARIKLENPLIDYGSW 401  
Db 341 EMPSTLSLXKSGALDEAAAYQSRDYNFPLSLGPPPPPPPPHARIKLENPLIDYGSW 400  
QY 402 AAAAOCRYGDLASLHGAAAGSGSPSAASSSWHLTFAEEGOLYXPCGGGGGGGG 461  
Db 401 AAAAOCRYGDLASLHGAAAGSGSPSATSSSWHTLFTAEEOQLYXPCGGGGGGSGAG 460  
QY 462 GGGGGGGGGGGGGGAGAVAPYGYTRPPQGLAGQESDFTAPDVVYPGMYSRVPPSPS 521  
Db 461 DG-----GSVAPYGYTRPPQGLAGQEGDPPDPVYPGVYVSRVPFPPSPS 505  
QY 522 CVKSEMGWMDSYGPGDMRLTARDHVLPIDYFPPOKTCCLICGDEASGCHYGALTCG 581  
Db 506 CVKSEMGWMDSYGPGDMRLTARDHVLPIDYFPPOKTCCLICGDEASGCHYGALTCG 565  
QY 582 SKVFFKRAAGKOKYLCAASRNDCTDKFRKNCPSCLRKCYEAGMTLGARKLKLGNL 641  
Db 566 SKVFFKRAAGKOKYLCAASRNDCTDKFRKNCPSCLRKCYEAGMTLGARKLKLGNL 625  
QY 642 KLOEGEASSTTSPTETOKLVSHIEGYECQIFLNVLAEIPGVVCAAGHNNQPSDF 701  
Db 636 KLOEGEASNTSPTETOKLVSHIEGYECQIFLNVLAEIPGVVCAAGHNNQPSDF 685  
QY 702 AALLSSNELGEROLVHVWAKALPGFRNLHVDDQMAVIOYSWMLVMFAMGWSFTNV 761  
Db 686 AALLSSNELGEROLVHVWAKALPGFRNLHVDDQMAVIOYSWMLVMFAMGWSFTNV 745  
QY 762 NSRMLYFAPDLVFNEMHKSRYMYSQCVMRHLSQBFGLWQITPQBFCLMKALLFSIIP 821  
Db 746 NSRMLYFAPDLVFNEMHKSRYMYSQCVMRHLSQBFGLWQITPQBFCLMKALLFSIIP 805  
QY 822 VDGLKNQKFFDELNMVYKELDRITIAACKRNKPTSCSRFFYQLTKLLDSVQPIARELHQFT 881  
Db 806 VDGLKNQKFFDELNMVYKELDRITIAACKRNKPTSCSRFFYQLTKLLDSVQPIARELHQFT 865  
QY 882 FDLILKSHWSDPPEMAEIIISVQVPKILSGVKPIYFHTQ 923  
Db 866 FDLILKSHWSDPPEMAEIIISVQVPKILSGVKPIYFHTQ 907

RESULT 2  
US-09-997-267-2  
; Sequence 2, Application US/09997267  
; Patent No. US20020165381A1  
; GENERAL INFORMATION:  
; APPLICANT: AHRENS-FATH, ISABELLE  
; APPLICANT: HAENDLER, BERNARD  
; TITLE OF INVENTION: HUMAN ANDROGEN RECEPTOR VARIANTS  
; FILE REFERENCE: SCH-1793  
; CURRENT APPLICATION NUMBER: US/09/997,267  
; CURRENT FILING DATE: 2001-11-30  
; PRIOR APPLICATION NUMBER: 60/235,078  
; PRIOR FILING DATE: 2000-12-14  
; NUMBER OF SEQ ID NOS: 15  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 2  
; LENGTH: 388  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-997-267-2  
Query Match 41.3%; Score 2029.5; DB 9; Length 388;  
Best Local Similarity 97.2%; Pred. No. 3.3e-107;  
Matches 383; Conservative 1; Mismatches 1; Indels 9; Gaps 1;

QY 530 WMDSYSGPYGDMRLTARDHVLPIDYFPPOKTCCLICGDEASGCHYGALTCGSKVFFKR 589  
Db 4 WUHS-----LETARDHVLPIDYFPPOKTCCLICGDEASGCHYGALTCGSKVFFKR 54  
QY 590 AAEGKOKYLCAASRNDCTDKFRKNCPSCLRKCYEAGMTLGARKLKLGNLKLQEGEA 649  
Db 55 AAEGKOKYLCAASRNDCTDKFRKNCPSCLRKCYEAGMTLGARKLKLGNLKLQEGEA 114  
QY 650 SSTTSPTETOKLVSHIEGYECQIFLNVLAEIPGVVCAAGHNNQPSFAALLSSLN 709  
Db 115 SSTTSPTETOKLVSHIEGYECQIFLNVLAEIPGVVCAAGHNNQPSFAALLSSLN 174  
QY 710 ELGEROLVHVWAKALPGFRNLHVDDQMAVIOYSWMLVMFAMGWSFTNVNRSMLYFA 769  
Db 175 ELGEROLVHVWAKALPGFRNLHVDDQMAVIOYSWMLVMFAMGWSFTNVNRSMLYFA 234  
QY 770 PDLVFNEMHKSRYMYSQCVMRHLSQBFGLWQITPQBFCLMKALLFSIIPVGLKNQK 829  
Db 235 PDLVFNEMHKSRYMYSQCVMRHLSQBFGLWQITPQBFCLMKALLFSIIPVGLKNQK 294  
QY 830 FDELNMVYKELDRITIAACKRNKPTSCSRFFYQLTKLLDSVQPIARELHQFTFLLIKSH 889  
Db 295 FDELNMVYKELDRITIAACKRNKPTSCSRFFYQLTKLLDSVQPIARELHQFTFLLIKSH 354  
QY 890 MVSVDPEMAEIIISVQVPKILSGVKPIYFHTQ 923  
Db 355 MVSVDPEMAEIIISVQVPKILSGVKPIYFHTQ 388

RESULT 3  
US-09-997-267-4  
; Sequence 4, Application US/09997267  
; Patent No. US20020165381A1  
; GENERAL INFORMATION:  
; APPLICANT: AHRENS-FATH, ISABELLE  
; APPLICANT: HAENDLER, BERNARD  
; TITLE OF INVENTION: HUMAN ANDROGEN RECEPTOR VARIANTS  
; FILE REFERENCE: SCH-1793  
; CURRENT APPLICATION NUMBER: US/09/997,267  
; CURRENT FILING DATE: 2001-11-30  
; PRIOR APPLICATION NUMBER: 60/255,078  
; PRIOR FILING DATE: 2000-12-14  
; NUMBER OF SEQ ID NOS: 15  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 4  
; LENGTH: 294  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-997-267-4  
Query Match 30.4%; Score 1493.5; DB 9; Length 294;  
Best Local Similarity 100.0%; Pred. No. 3.9e-77;  
Matches 277; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 543 LETARDHVLPIDYFPPOKTCCLICGDEASGCHYGALTCGSKVFFKRAAGKOKYLCAASR 602  
Db 8 LETARDHVLPIDYFPPOKTCCLICGDEASGCHYGALTCGSKVFFKRAAGKOKYLCAASR 67  
QY 603 NDCTDKFRKNCPSCLRKCYEAGMTLGARKLKLGNLKLQEGEASSTTSPTETOK 662  
Db 68 NDCTDKFRKNCPSCLRKCYEAGMTLGARKLKLGNLKLQEGEASSTTSPTETOK 127  
QY 663 LTVSHIEGYECQIFLNVLAEIPGVVCAAGHNNQPSFAALLSSNELGEROLVHVW 722  
Db 128 LTVSHIEGYECQIFLNVLAEIPGVVCAAGHNNQPSFAALLSSNELGEROLVHVW 187  
QY 723 AKALPGFRNLHVDDQMAVIOYSWMLVMFAMGWSFTNVNRSMLYFAPDLVFNEMHKS 782  
Db 188 AKALPGFRNLHVDDQMAVIOYSWMLVMFAMGWSFTNVNRSMLYFAPDLVFNEMHKS 247  
QY 783 RMYSCVVRHLSQBFGLWQITPQBFCLMKALLFSI 819

Db 248 RMYSCVVRHLSQFGLWLTQITPQEFCLMKALLFSI 284

RESULT 4

US-09-885-827-1  
 ; Sequence 1, Application US/09885827  
 ; Patent No. US20020173445A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Salvati, Mark  
 ; APPLICANT: Attar, Ricardo M  
 ; APPLICANT: Kystek Jr., Stanley R  
 ; APPLICANT: Sack, John S  
 ; TITLE OF INVENTION: SELECTIVE ANDROGEN RECEPTOR MODULATORS AND METHODS FOR  
 ; THEIR IDENTIFICATION, DESIGN AND USE  
 ; FILE REFERENCE: LD0250(NP)  
 ; CURRENT APPLICATION NUMBER: US/09/885,827  
 ; PRIOR FILING DATE: 2001-06-20  
 ; PRIOR APPLICATION NUMBER: 60/284,438  
 ; PRIOR FILING DATE: 2001-04-18  
 ; PRIOR FILING DATE: 2000-06-28  
 ; NUMBER OF SEQ ID NOS: 2  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 1  
 ; LENGTH: 246  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-09-885-827-1

Query Match 25.3%; Score 1243; DB 9; Length 246;  
 Best Local Similarity 97.2%; Pred. No. 4.2e-63;  
 Matches 239; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 676 IFNLVLEAIEPGVVCAGHDNNQDPSFAALLSSNLGELQVHVVKAKALPGFRLHVD 735  
 Db 1 IFNLVLEAIEPGVVCAGHDNNQDPSFAALLSSNLGELQVHVVKAKALPGFRLHVD 60  
 QY 736 DOMAVIOYSWMGLMVFAMGWRSTFTNNSRMLYFAPDLVFNRYMHKSRMYSQCVMRHLS 795  
 Db 61 DOMAVIOYSWMGLMVFAMGWRSTFTNNSRMLYFAPDLVFNRYMHKSRMYSQCVMRHLS 120  
 QY 796 QFEGWLQITPQEFCLMKALLFSIIPVDGLKNQKFFDELNMNLIKELDRITACKRKNPTS 855  
 Db 121 QFEGWLQITPQEFCLMKALLFSIIPVDGLKNQKFFDELNMNLIKELDRITACKRKNPTS 180  
 QY 856 CSRRFVOLTKLDSVQPIARELHQFTFDLLIKSHMVSVDPEMMAEIIISVQVPKILSGKV 915  
 Db 181 CSRRFVOLTKLDSVQPIARELHQFTFDLLIKSHMVSVDPEMMAEIIISVQVPKILSGKV 240  
 QY 916 KPIYFH 921  
 Db 241 KPIYFH 246

RESULT 5

US-09-887-280-4  
 ; Sequence 4, Application US/09887280  
 ; Publication No. US20020197670A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: PRICE, THOMAS M.  
 ; TITLE OF INVENTION: MEMBRANE ASSOCIATED PROGESTERONE RECEPTOR  
 ; FILE REFERENCE: GHS-338  
 ; CURRENT APPLICATION NUMBER: US/09/887,280  
 ; CURRENT FILING DATE: 2001-09-17  
 ; PRIOR APPLICATION NUMBER: 60/213,340  
 ; PRIOR FILING DATE: 2000-06-22  
 ; NUMBER OF SEQ ID NOS: 11  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 4  
 ; LENGTH: 314  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens

US-09-887-280-4

Query Match 16.0%; Score 788; DB 9; Length 314;  
 Best Local Similarity 49.5%; Pred. No. 2.4e-37;  
 Matches 146; Conservative 68; Mismatches 75; Indels 6; Gaps 1;  
 QY 633 RKLKGLNKLQEEGEASSTSP-----TEETTKQLTVSHIEGVEQCFILNLEATEP 686  
 Db 18 RKFKEKFNKVRVRAALDAVALPQLGVPNESQALSQRFTSPGQDIQLPPLINLLMSTEP 77  
 QY 687 GYVCAGHDNNQDPSFAALLSSNLGELQVHVVKAKALPGFRLHVDQDMANVOYSWM 746  
 Db 78 DVIYAGHDNTKPTSSSLTSLNQLGERQLLSVVKWSKSLPGFRLHDDQITLLIYQSWM 137  
 QY 747 GLMVFAMGWRSTFTNNSRMLYFAPDLVFNRYMHKSRMYSQCVMRHLSQFEGWLQITPQ 806  
 Db 138 SLMVFGLGWRSYKHVSCQMLYFAPDLILNEQRMKESFSLCTLTMQIPEFVKLOVSQE 197  
 QY 807 EFLCMKALLFSIIPVDGLKNQKFFDELNMNLIKELDRITACKRKNPTSRRFYOLTKL 866  
 Db 198 EFLCMKVVLLLLNTIPLEGRLSQTQFEEMRSSYIRELIKAIGLRQKGVVSSQREFVOLTKL 257  
 QY 867 LDSVQPIARELHQFTFDLLIKSHMVSVDPEMMAEIIISVQVPKILSGKVKIYFH 921  
 Db 258 LDNLHDLVKQLHLYCLNTFIQSRLSVSEFPEMMEVIAAQLPKILAGHVKLELPH 312

RESULT 6

US-09-905-176-13  
 ; Sequence 13, Application US/09905176  
 ; Patent No. US20020150906A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: CALIFORNIA INSTITUTE OF TECHNOLOGY  
 ; APPLICANT: Debe, Derek A.  
 ; TITLE OF INVENTION: METHOD FOR DETERMINING THREE-DIMENSIONAL PROTEIN STRUCTURE FROM  
 ; FILE REFERENCE: 265/297  
 ; CURRENT APPLICATION NUMBER: US/09/905,176  
 ; PRIOR FILING DATE: 2002-04-05  
 ; PRIOR APPLICATION NUMBER: US 60/218,016  
 ; PRIOR FILING DATE: 2000-07-12  
 ; NUMBER OF SEQ ID NOS: 26  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO 13  
 ; LENGTH: 240  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-09-905-176-13

Query Match 14.8%; Score 728; DB 10; Length 240;  
 Best Local Similarity 55.3%; Pred. No. 4.3e-34;  
 Matches 131; Conservative 55; Mismatches 51; Indels 0; Gaps 0;

QY 675 PIFNLVLEAIEPGVVCAGHDNNQDPSFAALLSSNLGELQVHVVKAKALPGFRLHVD 734  
 Db 4 PPLINLLMSIEPDVIYAGHDNTKPTSSSLTSLNQLGERQLLSVVKWSKSLPGFRLHVD 63  
 QY 735 DDQMAVIOYSWMGLMVFAMGWRSTFTNNSRMLYFAPDLVFNRYMHKSRMYSQCVMRHLS 794  
 Db 64 DDQITLLIYQSWMSLMVFGLGWRSYKHVSCQMLYFAPDLILNEQRMKESFSLCTLTMQI 123  
 QY 795 SQFEGWLQITPQEFCLMKALLFSIIPVDGLKNQKFFDELNMNLIKELDRITACKRKNPTS 854  
 Db 124 PQEFVKLOVSQEEFCLMKVLLLLNTIPLEGRLSQTQFEEMRSSYIRELIKAIGLRQKGVV 183  
 QY 855 CSRRFVOLTKLDSVQPIARELHQFTFDLLIKSHMVSVDPEMMAEIIISVQVPKIL 911  
 Db 184 SSSORFVOLTKLDSVQPIARELHQFTFDLLIKSHMVSVDPEMMAEIIISVQVPKIL 240

RESULT 7

US-09-905-176-11  
 ; Sequence 11, Application US/09905176

Patent No. US20020150906A1  
; GENERAL INFORMATION:  
; APPLICANT: CALIFORNIA INSTITUTE OF TECHNOLOGY  
; APPLICANT: Debe, Derek A.  
; TITLE OF INVENTION: METHOD FOR DETERMINING THREE-DIMENSIONAL PROTEIN STRUCTURE FROM F  
; TITLE OF INVENTION: PROTEIN SEQUENCE  
; FILE REFERENCE: 265/297  
; CURRENT APPLICATION NUMBER: US/09/905,176  
; CURRENT FILING DATE: 2002-04-05  
; PRIOR APPLICATION NUMBER: US 60/218,016  
; PRIOR FILING DATE: 2000-07-12  
; NUMBER OF SEQ ID NOS: 26  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 11  
; LENGTH: 215  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-905-176-11

Query Match 13.6%; Score 666; DB 10; Length 215;  
Best Local Similarity 55.6%; Pred. No. 1.2e-30;  
Matches 119; Conservative 50; Mismatches 45; Indels 0; Gaps 0;

QY 691 AGHNNOPDSFAALLSSNLGERQLVHVYKAKALPGFRLNHLVDDQMAVIOYSWMLMV 750  
Db 1 AGHNTKPDVSSSLTSLNQLGERQLSVVYKWSKSLPGFRLNHLVDDQITLIQYSWMLMV 60

QY 751 FAMGRFTVNSRMLEYFAPDLVFNEMRHKSMYSOCVVRMHLHLSQFQWLTQITPQEF 810  
Db 61 FGLGWSRYKHVSQMLYFAPDLVFNEMRHKSMYSOCVVRMHLHLSQFQWLTQITPQEF 120

QY 811 MKALLFIIPVDGLKNOKFDELNMNIIKELDRITACRKNPTSCSRFYQLTKLLDSV 870  
Db 121 MKVLLNTIPLGLRSQTOFEMRSYIRELKAIGLRQKGVSSQRFYQLTKLLDNL 180

QY 871 OPIARELHQFTFDLLIKSHMVSDFFEMAEIIS 904  
Db 181 HDLVKQLHLVCLNTFIQSRALSVSEFFEMSEVIA 214

RESULT 8  
US-09-853-450-20  
; Sequence 20, Application US/09853450  
; Publication No. US20020194645A1  
; GENERAL INFORMATION:  
; APPLICANT: Yanofsky, Martin F.  
; APPLICANT: Pelaz, Soraya  
; APPLICANT: Ditta, Gary  
; TITLE OF INVENTION: The Regents of the University of California  
; TITLE OF INVENTION: Combinations of Genes for Producing Seed Plants  
; TITLE OF INVENTION: Exhibiting Modulated Reproductive Development  
; FILE REFERENCE: 19452A-002400US  
; CURRENT APPLICATION NUMBER: US/09/853,450  
; CURRENT FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 61  
; SOFTWARE: PatentIn ver. 2.1  
; SEQ ID NO 20  
; LENGTH: 284  
; TYPE: PRT  
; ORGANISM: Rattus norvegicus  
; FEATURE:  
; OTHER INFORMATION: rat glucocorticoid receptor ligand binding domain  
US-09-853-450-20

Query Match 12.9%; Score 636; DB 9; Length 284;  
Best Local Similarity 44.1%; Pred. No. 7.9e-29;  
Matches 126; Conservative 56; Mismatches 98; Indels 6; Gaps 2;

QY 636 KKLGNKLQEEGEASTTSPTEETQKLTVSHIEGYEQPIFLNVLAEIPGVVVCAGHDN 695  
Db 3 KKIKIQOATAGVSODTSENPNKTIIVPAALPOL-----TPTLSLELVEIPEVLYAGYDS 57

QY 696 NQPDSSFAALLSSNLGERQLVHVYKAKALPGFRLNHLVDDQMAVIOYSWMLMV 755

Db 58 SVPDSAWRIMTTLNMLGGRQVIAAVKAKAILGLRLNHLDDQMTLQYSWMFLMAFALGW 117

QY 756 RSFTVNSRMLEYFAPDLVFNEMRHKSMYSOCVVRMHLHLSQFQWLTQITPQEF 815  
Db 118 RSYROSSNLCFAPDLVFNEMRHKSMYSOCVVRMHLHLSQFQWLTQITPQEF 177

QY 816 LFSIIPVDGLKNOKFDELNMNIIKELDRITACRKNPTSCSRFYQLTKLLDSVQPIAR 875  
Db 178 LLSSVAKEGLKSQELFDEIRMTYIKELGKALVREGNSQNMWQRFYQLTKLLDSMHEWE 237

QY 876 ELHQFTFDLLIKSHMVSDFFEMAEIISVQPKILSGKVKPIYFH 921

Db 238 NLLTYCFQTFDQTM-STIEFPEMLAEIITNIPKYSNGNKKLLFH 282

RESULT 9  
US-10-052-092-31  
; Sequence 31, Application US/10052092  
; Publication No. US20030027778A1  
; GENERAL INFORMATION:  
; APPLICANT: Fuqua, Suzanne  
; APPLICANT: Allred, D.  
; APPLICANT: Hopp, Torsten A.  
; APPLICANT: O'Connell, Peter  
; TITLE OF INVENTION: Methods and Composition in Breast Cancer Diagnosis and Therapie  
; FILE REFERENCE: P02102052  
; CURRENT APPLICATION NUMBER: US/10/052,092  
; CURRENT FILING DATE: 2002-01-18  
; PRIOR APPLICATION NUMBER: US 60/262,990  
; PRIOR FILING DATE: 2001-01-19  
; PRIOR APPLICATION NUMBER: US 60/304,018  
; PRIOR FILING DATE: 2001-07-09  
; NUMBER OF SEQ ID NOS: 49  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 31  
; LENGTH: 595  
; TYPE: PRT  
; ORGANISM: pig  
US-10-052-092-31

Query Match 10.2%; Score 502; DB 9; Length 595;  
Best Local Similarity 26.0%; Pred. No. 6.3e-21;  
Matches 153; Conservative 104; Mismatches 220; Indels 112; Gaps 21;

QY 381 PPHPHARIKLENPLDYGSNAAAAAQCRCYGLASLHGAGAAGPGSGPSAAASSSWHTL 440  
Db 25 PLANRPLKIPLERPL--GEVYVDSKPAVIN-----YPEGAYDFNAAAAASA----- 70

QY 441 FTABEGOLYPCGG 500  
Db 71 -----PVYQSGLAYCPGSEAAAFANGLLGGFQPLNSVSPSLVLLHPPP-----QLSPF 120

QY 501 TAPDVWYPGMVSRVY-----PSPCTCVKSEMPWMDSYSGP----- 537

Db 121 L-----HPHG--QOVPYILENEPSGYAVR--EAGP--PAFRPNSDNRROGGRERLASTSD 170

QY 538 YGDMRLTARDHVLPIDYEPPOKTCILICDEASGCHYGALTCGCKYFFKRAAEGKOKY 597  
Db 171 KGSMAESAKE-----TRYCAVNCNDYASGVHYGVWSCGCKAFKRSIQCHNDY 219

QY 598 LCASRNCTIDKFRKNCPCRLKCYEAGMTLGA--RKLKLLGNL-----KLOEEGEASST 652  
Db 220 MCPATNCTIDKNRKSCQACRLKCYEVGMKGGIRKDRRGGRMLKHKRRDDEGEGRNE 279

QY 653 TSPTET-----TQKLTVSHIEGYEQPI-----FLNVLAEIPGVVVCAGHDN 699  
Db 280 AVPGDMRSANLWSPLLIKHTK--KNSPVLSTADOMISALLEAEPPIIYSEYDPTPL 337

QY 700 SFAALLSSNLGERQLVHVYKAKALPGFRLNHLVDDQMAVIOYSWMLMV 759  
Db 338 SEASMMGLLTNLADRELVLHMINNAKRVPGFDLSLDQVHLLLECAWLEITLIGLVWRSME 397





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/ APPLICANT: Fuqua, Suzanne
/ APPLICANT: Allred, D.
/ APPLICANT: Hopp, Torsten
/ APPLICANT: O'Connell, Peter
/ TITLE OF INVENTION: Method
/ FILE REFERENCE: P0210120US2
/ CURRENT APPLICATION NUMBER:
/ CURRENT FILING DATE: 2002-07-01
/ PRIOR APPLICATION NUMBER:
/ PRIOR FILING DATE: 2001-01-01
/ PRIOR APPLICATION NUMBER:
/ PRIOR FILING DATE: 2001-07-01
/ NUMBER OF SEQ ID NOS: 49
/ SOFTWARE: PatentIn version
/ SEQ ID NO 13
/ LENGTH: 595
/ TYPE: PRT
/ ORG-ORGANISM: human
US-10-052-092-13

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Query Match	9.7%;	Score 478;	DB 9;	Length 595;
Best Local Similarity	26.6%;	Pred. No. 1.4e-19;		
Matches	140			

Qy	381	PPPHARIKLENPDIYGSAAAAAACRYGDLASLHGACAAGPGSGPSSAAASSWHTL	440
Db	25	PLNRPOLKIPLERPL-GEVILDSKPAVN-----YPGGAAYEFNAANA	70
Qy	441	FTAEGOLYPCGGGGGGGGGGGGGGGGGGGAGAVPYGYTRPPQGLAGQESDF	500
Db	71	-----QVYGOTGLPYGPEAAAFGNGLGGPPLNSVSPFLMLHPPP-----QLSPF	120
Qy	501	TAPDVWVPGGWSRVPY-----PSPCTCVKSEMGPMDSYSGPYGDMRLETARDHVLPID-	554
Db	121	LQPH-----CQQVPIYLENEPSGYTVR-EAGP--PAFYRPNSDNRROGGRERLASTND	170
Qy	555	-----YPPPOKTLICGDSEASCHYGALTCSCKVFFKRAAECKQYILCASRNDCTID	608
Db	171	KGSMASAKETRYCAVCDNYASGYHYGWSCEGCKAFKRSIQGHNDYMCPATNOCTID	230
Qy	609	KPRRKNPCSLRKICYEAGWTLGA-RKLKLGNL-----KLOEGE-	650
Db	231	KNRKSQACRLRKICYEGVMKMGIRKDRGGRLMKHKRQRDGEGRGVCSGADMRAN	290
Qy	651	STTP-----TEETQKLTVSHTEGYECQPIFLNLEALEPGVCAGHDNNQDPSAALL	705
Db	291	LWPSPLMIKRKKNSLALSITAOQ-----MVSALLDAEPPILYSEYDTRFPSEASM	343
Qy	706	SEINELGERQLVHVYKAKALPGERNLHVDDQMAVIOYSWMLGVFMAGWRSTVNVSRM	765
Db	344	GLTLNLADRELVHMNNAKRPVGFVDLTLDQVHLLCAWLEILIMGLVWRSME--HPVK	401
Qy	766	LYFAPDLVFNRYMRHKSRYMSQCVR-----MRHLSQEFQWLQITPOEFLCMKALLF	817
Db	402	LLFAPNLLID-----RNOGKCVGEVIEFDMLLATSSFRMMNLQGEFVCLKSITLL	454
Qy	818	S-----IIPVDGLKNQKFDELRMNVIKELDRILACKRKNPTSCSRFPYQLTKLLDSVQPI	873
Db	455	NSGVYTFSLTSLSLEKDHIRVLDKTTDLTILHMAKAGLTLLQQQHRLAQI-----	507
Qy	874	ARELHQFTFOLLIKSHM	890
Db	508	-----LLILSHI	514

RESULT 15  
US-10-052-092-14  
; Sequence 14, Application US/10052092  
; Publication No. US20030027778A1  
; GENERAL INFORMATION:  
; APPLICANT: Fuqua, Suzanne  
; APPLICANT: Allred, D.  
; APPLICANT: Hopp, Torsten A.

```

/ APPLICANT: Allred, D.
/ APPLICANT: Hopp, Torsten A.
/ APPLICANT: O'Connell, Peter
/ TITLE OF INVENTION: Methods and Composition in Breast Cancer Diagnosis and Therapeutic
/ FILE REFERENCE: P02102US2
/ CURRENT APPLICATION NUMBER: US/10/052,092
/ CURRENT FILING DATE: 2002-01-18
/ PRIOR APPLICATION NUMBER: US 60/262,990
/ PRIOR FILING DATE: 2001-01-19
/ PRIOR APPLICATION NUMBER: US 60/304,018
/ PRIOR FILING DATE: 2001-07-09
/ NUMBER OF SEQ ID NOS: 49
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 13
/ LENGTH: 595
/ TYPE: PRT

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### Query Match

Query Match 9.7%; Score 478; DB 9; Length 595;

Best Local Similarity 26.6%; Pred. No. 1.4e-19;  
Matches 148; Consensus 1.4e-19

Matches 148; Conservative 97; Mismatches 198; Indels 114; Gaps 19;

Qy	381	PPPHARIKLENPLDYSAWAAAAACRYCDLASLHGAGAGGSGSPSAAASSSHTL	440
Db	25	PLNRPOLKIPLERPL--GEVTLSSKPAVN-----YPECAAYEFNAANA	70
Qy	441	FTAEEOGLYPCGGGGGGGGGGGGGGGGGGGGEAGAVPYGTRPPQGLAGQESD	500
Db	71	-----QVYGOTGLPYGPGSEAAAFGNSGLGFPPLNSVSPSLMLLHPP--	120
Qy	501	TAPDVWYPGGWVRVPY-----PSPTCVKSEMGPMWDSYSGPYGDMRLTARDHVL	554
Db	121	LQPH-----GQOVPYLENEPGYTVR-EAGP--PAFYRNSDMNRGGRRERLAST	170
Qy	555	-----YFPFQKTLICGDEASGCHYGALTCGCKVFFKRAEGKQKYLCASRNDCT	608
Db	171	KGSMAESAKETRYCAVCNDYASGYHYGVMSCEGCKAFKRSIQGHNDYMCPTNQ	230
Qy	609	KFRKKNPCSLRKCYEAGMTLCA-RKLKLGNL-----KLQEEG-----AS	650
Db	231	KNRKSCQACRLKCYEVMGKGGIKDRRGKMLKHKKRQDDGEGRGVSGAGDMRA	290
Qy	651	STTSP-----TEETTOKLVNHSIEGYECQPIFLNVLAEIPGVWCAGHNNQPSFA	705
Db	291	LWPSPLMIKRSKNSIALSLTADQ-----NVSALLDAEPILLYSEYDTRPFS	343
Qy	706	SSLNELGERQLVHVVKAKALPGFRLNHVDQMAVIQTSWMGLMVFMAGKRSFTN	765
Db	344	GULTNLADRELVHMINKARVPGFVDLTLDHQVHLLCAWLEILMIGLVWSME--	401
Qy	766	LYFAPDLVNEYRMHKSWMYSCVR-----MRHLSQEFGWTOITPQELCMKALL	817
Db	402	LLFAPNLLD-----RQKQCVGEWVEIFDMLLATSSRFMRNNLQEEFVCLKS	454
Qy	818	S-----IIPVDGLKNQKFFDELRMVYIKELDRIACKRKNPTSCSRFYQLTKL	873
Db	455	NSGVVYELSSLTKSLEKNDHTRVLDKTDPLIHHMAKAGLTIQQOORLAQ---	507
Qy	874	ARELHQFTFDLLIKSHM	890
Db	508	-----LLILSHI	514

Search completed: April 28, 2003, 13:59:42  
Job time : 28 secs

